

CLAIMS

What is claimed is:

1. A nail loading assembly for coupling with a nail driving assembly of a nail gun, comprising:
  - a housing suitable for storing a nail and providing the nail to the nail driving assembly; and
    - a pick-off pivot assembly coupled to the housing, the pick-off pivot assembly for pivotally coupling the housing to the nail driving assembly and providing the nail to the nail driving assembly,
      - wherein the pick-off pivot assembly enables the nail loading assembly to be positioned at various angles relative to the nail driving assembly and presents the nail to the nail driving assembly in the correct position.
  2. The nail loading assembly of claim 1, further comprising an adjustment assembly disposed on the housing.
  3. The nail loading assembly of claim 1, further comprising a cover coupled with the housing, the cover being removable from the housing.
  4. The nail loading assembly of claim 1, wherein the nail loading assembly is an adjustable angle magazine.
  5. The nail loading assembly of claim 1, further comprising an articulating pusher assembly.
  6. The nail loading assembly of claim 1, further comprising a nail checker assembly.
  7. The nail loading assembly of claim 1, further comprising a nail lockout

assembly.

8. The nail loading assembly of claim 1, further comprising a nail spacing verification assembly.
9. The nail loading assembly of claim 1, further comprising a nail shank pawl assembly.
10. The nail loading assembly of claim 1, further comprising a pinion nail verification assembly.
11. The nail loading assembly of claim 1, wherein the nail loading assembly is at least one of a top load and a side load nail loading assembly.
12. The nail loading assembly of claim 1, wherein the nail loading assembly is a modular nail loading assembly.
13. The nail loading assembly of claim 1, wherein the nail gun is selected from the group consisting of a spring-loaded nail gun, a pneumatic nail gun, an electro-magnetic nail gun, a combustion nail gun, and a motor driven nail gun.
14. The nail loading assembly of claim 1, wherein the nail gun further comprises a clutch assembly.

15. An adjustable angle magazine for use with a nail gun, comprising:
  - a housing including a first end and a second end, the housing for storing nails and providing nails to a nail driving assembly of the nail gun;
  - an adjustment assembly disposed proximal to the second end of the housing, the adjustment assembly for affixing the position of the housing relative to the nail gun; and
  - a pick-off pivot assembly coupled to the first end of the housing, the pick-off pivot assembly for pivotally coupling the housing to the nail driving assembly and providing the nail to the nail driving assembly,
    - wherein the pick-off pivot assembly enables the adjustable angle magazine to be positioned at various angles relative to the nail driving assembly and present the nail to the nail driving assembly in the correct position.
16. The adjustable angle magazine of claim 15, further comprising a cover coupled with the housing, the cover being removable from the housing.
17. The adjustable angle magazine of claim 15, further comprising an articulating pusher assembly.
18. The adjustable angle magazine of claim 15, further comprising a nail checker assembly.
19. The adjustable angle magazine of claim 15, further comprising a nail lockout assembly.
20. The adjustable angle magazine of claim 15, further comprising a nail spacing verification assembly.
21. The adjustable angle magazine of claim 15, further comprising a nail shank pawl

assembly.

22. The adjustable angle magazine of claim 15, further comprising a pinion nail verification assembly.
23. The adjustable angle magazine of claim 15, wherein the adjustable angle magazine is at least one of a top load and a side load nail loading assembly.
24. The adjustable angle magazine of claim 15, wherein the adjustable angle magazine is a modular nail loading assembly.
25. The adjustable angle magazine of claim 15, wherein the nail gun is selected from the group consisting of a spring-loaded nail gun, a pneumatic nail gun, an electro-magnetic nail gun, a combustion nail gun, and a motor driven nail gun.
26. The adjustable angle magazine of claim 15, wherein the nail gun further comprises a clutch assembly.

27. An adjustable angle nail gun, comprising:
  - a handle including a first end and a second end, the second end coupled with a fastening assembly;
  - a nail driving assembly coupled with the first end of the handle, the nail driving assembly including a driver blade, the nail driving assembly for driving a nail;
  - an adjustable angle nose casting assembly coupled with the nail driving assembly, the adjustable angle nose casting assembly for receiving the nail and enabling the operational engagement of the driver blade with the nail; and
  - an adjustable angle magazine including a first end coupled with a pick-off pivot assembly for pivotally coupling with the adjustable angle nose casting assembly and an adjustment assembly disposed proximal to a second end of the adjustable angle magazine, the adjustment assembly for coupling with the fastening assembly, the adjustable angle magazine for storing and providing a nail to the adjustable angle nose casting assembly,  
wherein the pick-off pivot assembly enables the adjustable angle magazine to be positioned at various angles relative to the adjustable angle nose casting assembly and present the nail to the nail driving assembly in the correct position.
28. The adjustable angle nail gun of claim 27, wherein the adjustable angle magazine further comprises an articulating pusher assembly.
29. The adjustable angle nail gun of claim 27, wherein the adjustable angle magazine further comprises a nail checker assembly.
30. The adjustable angle nail gun of claim 27, wherein the adjustable angle magazine further comprises a nail lockout assembly.
31. The adjustable angle nail gun of claim 27, wherein the adjustable angle

magazine further comprises a nail spacing verification assembly.

32. The adjustable angle nail gun of claim 27, wherein the adjustable angle magazine further comprises a nail shank pawl assembly.
33. The adjustable angle nail gun of claim 27, wherein the adjustable angle magazine further comprises a pinion nail verifier assembly.
34. The adjustable angle nail gun of claim 27, wherein the adjustable angle magazine is at least one of a top load and a side load nail loading assembly.
35. The adjustable angle nail gun of claim 27, wherein the adjustable angle magazine is a modular nail loading assembly.
36. The adjustable angle nail gun of claim 27, wherein the adjustable angle nail gun is selected from the group consisting of a spring-loaded nail gun, a pneumatic nail gun, an electro-magnetic nail gun, a combustion nail gun, and a motor driven nail gun.
37. The adjustable angle nail gun of claim 27, wherein the adjustable angle nail gun further comprises a clutch assembly.

38. A nail loading assembly for coupling with a nail driving assembly of a nail gun, comprising:
  - means for storing a nail coupled with the nail driving assembly; and
  - means for providing the nail to the nail driving assembly in the correct position coupled with the means for storing the nail.
39. The nail loading assembly of claim 38, wherein the means for providing the nail in the correct position is a pick-off pivot assembly coupled with the means for storing the nail.
40. The nail loading assembly of claim 38, wherein the means for storing the nail is an adjustable angle magazine.
41. The nail loading assembly of claim 40, wherein the adjustable angle magazine further comprises an articulating pusher assembly.
42. The nail loading assembly of claim 40, wherein the adjustable angle magazine further comprises a nail checker assembly.
43. The nail loading assembly of claim 40, wherein the adjustable angle magazine further comprises a nail lockout assembly.
44. The nail loading assembly of claim 40, wherein the adjustable angle magazine further comprises a nail spacing verification assembly.
45. The nail loading assembly of claim 40, wherein the adjustable angle magazine further comprises a nail shank pawl assembly.

46. The nail loading assembly of claim 40, wherein the adjustable angle magazine further comprises a pinion nail verification assembly.
47. The nail loading assembly of claim 40, wherein the adjustable angle magazine is at least one of a top load and a side load nail loading assembly.
48. The nail loading assembly of claim 38, wherein the nail gun is selected from the group consisting of a spring-loaded nail gun, a pneumatic nail gun, an electromagnetic nail gun, a combustion nail gun, and a motor driven nail gun.
49. The nail loading assembly of claim 38, wherein the nail gun further comprises a clutch assembly.